SilkPeel™ Dermalinfusion™ System

In-Service Protocol - Appendices

for Beauticians & Licensed Aestheticians

*European Version

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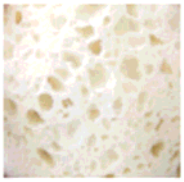
APPENDIX A

TYPES OF SOLUTIONS AND INGREDIENTS (I)



Following, please find the ingredient listing for the existing solutions (percentages are listed next to each name) -

SILKPEEL HYDRATING FORMULA
WATER 86.33
ALOE BARBADENSIS LEAF EXTRACT (WATER -98.5% (AND) SPRAY DRIED ALOE VERA POWDER 200X-0.5% (AND) GERMABEN II(Propylene Glycol (and) Diazolidinyl Urea (and) Methyl paraben (and) Propyl Paraben) - 1.0%) 4
PROPYLENE GLYCOL 3
GLYCERIN 2
SODIUM HYALURONATE 2
TRIETHANOLAMINE 0.8
PANTHENOL 0.5
POTASSIUM SORBATE 0.3
SODIUM BENZOATE 0.3
ALGAE EXTRACT (AND) ARTEMISIA VULGARIS EXTRACT (TRIPLE A COMPLEX) 0.1

GLYCINE 0.1
ALLANTOIN 0.05
ANTHEMIS NOBILIS FLOWER EXTRACT (CHAMOMILE EXTRACT, ROMAN) 0.01
DISODIUM EDTA 0.01

SILKPEEL CLARIFYING FORMULA (ACNE & ABRASION)
WATER 89.15
PROPYLENE GLYCOL 5
SD ALCOHOL-40B (ALCOHOL DENATURED WITH 0.0006% DENATONIUM BENZOATE) 2.5
ALOE BARBADENSIS LEAF EXTRACT(WATER - 98.5% (AND) SPRAY DRIED ALOE VERA POWDER 200X-0.5% (AND) GERMABEN II(Propylene Glycol (and) Diazolidinyl Urea (and) Methyl paraben (and) Propyl Paraben) -1.0%) 2
SALICYLIC ACID 0.5
TRIETHANOLAMINE 0.45
PHENOXYETHANOL (AND)METHYL PARABEN (AND) BUTYL PARABEN (AND) ETHYL PARABEN (AND) PROPYL PARABEN 0.4

SILKPEEL BRIGHTENING FORMULA (BROWN SPOTS & ACTINIC DAMAGE)
WATER 84.99
PROPYLENE GLYCOL 3
GLYCERIN 3
ALOE BARBADENSIS LEAF EXTRACT (WATER -98.5% (AND) SPRAY DRIED ALOE VERA POWDER 200X-0.5% (AND) GERMABEN II(Propylene Glycol (and) Diazolidinyl Urea (and) Methyl paraben (and) Propyl Paraben) -1.0%) 3
KOJIC ACID 5
GLYCOLIC ACID 2.5
TRIETHANOLAMINE 2
SALICYLIC ACID 0.5
ARBUTIN 0.5
PHENOXYETHANOL (AND)METHYL PARABEN (AND) BUTYL PARABEN (AND) ETHYL PARABEN (AND) PROPYL PARABEN 0.4
SODIUM HYDROXIDE 0.1

APPENDIX A

TYPES OF SOLUTIONS AND INGREDIENTS (II)

Following, please find a non-scientific short description of few of the active ingredients and then their most basic "function" in the existing solutions: -

Arbutin: Arbutin is a natural, plant derived, highly-effective, stable skin whitening agent that works on the skin by transforming excessive melanin production into colorless substances as well as competing with certain enzymes that inhibit tyrosine oxidation by tyrosinase (a main cause of hyper-pigmentation). UV damage (primarily from the sun) is one of the main causes of hyper-pigmentation). Products: emerginC spot, emerginC lighten up under-eye circle fighter.

Kojic Acid: Skin-lightening agent. kojic acid: Kojic acid is a natural, effective lightener (derived from rice) that helps fade spots by retarding excessive melanin production.
Kojic acid is extracted from mould grown on rice (*Aspergillus oryzae*) or that grown on soybean (*Aspergillus sojae*) and is used as a starter medium for the production of fermented food. Kojic acid is produced biologically by fermentation of bacteria on carbohydrates. The name is Japanese and comes from the word "koji" meaning "culture".
Skin color is determined by the quantity of melanin in the skin. Melanin is biosynthesized in the melanosome of the melanocyte - a process involving the presence of the enzyme tyrosinase. Kojic acid is known to inhibit tyrosinase thereby reducing the production of melanin.
Kojic acid is primarily used in cosmetics for it's skin lightening effect. It acts as an inhibitor of tyrosinase, which is responsible for the formation of melanin - the skin coloring agent in skin. Kojic acid also reduces existing melanin in the skin thereby assisting in the depigmentation of the skin. Kojic acid successfully reduces age spots and pigmentation on face and body, typically caused by sun damage. Kojic acid is also known to have an anti-microbial effect.

MORUS NIGRA LEAF (MULBERRY) EXTRACT (BLACK MULBERRY LEAF).
Mulberry extract - Sohakuhi or mulberry extract is obtained from the dried skin of the root of the mulberry found throughout Japan where this extract is produced. Sohakuhi has been credited with many healing functions for many years. More latterly, ***it has been recognized as a whitening agent as it contains phenylflavanoids, an element that whitens human skin by inhibiting the activation of tyrosinase.*** Tyrosinase is involved in the production of freckles so the inhibition of tyrosinase helps prevent the formation and subsequent darkening of freckles on the skin. Also known to be an anti-inflammatory and an emollient.

INGREDIENT	FUNCTION	SOLUTION(S) CONTAINING INGREDIENT
Propylene Glycol	Humectant, draws moisture from the air	Hydrating, Brightening, Clarifying
SD-Alcohol 40-B (ethanol denatured)	Solvent, anti-septic	Hydrating, Brightening, Clarifying
Aloe Barbadensis	Reduces inflammation, soothes skin, speeds recovery, prevents infection, anti-septic, moisturizes	Hydrating, Brightening, Clarifying
Salicylic Acid (Organic Carboxylic Acid, BHA [Beta Hydroxy Acid])	Treats acne, exfoliates, can aid in absorption	Brightening, Clarifying

Triethanolamine (TEA)	Buffer, used as Ph stabilizer, emulsifier, fragrance	Hydrating, Brightening, Clarifying
Phonexyethanol	Preservative	Clarifying
Methyl Paraben	Preservative	Brightening, Clarifying
Butyl Paraben	Preservative	Brightening, Clarifying
Propyl Paraben	Preservative	Brightening, Clarifying
Glycerin	Humectant, emollient, solvent, provides lubrication and improves skin's smoothness	Hydrating, Brightening
Arbutin	Natural double-action whitening agent, infiltrates the skin without affecting the concentration of cell manipulation, effectively prevents the activity of Tryronsinase in the skin, effectively prevents the formation of melanin	Brightening
Sodium Hydroxide	Neutralizes strong acids	Brightening
Morus Nigra Leaf Extract (Mulberry)	Skin lightening co-agent	Brightening
Sodium Hyaluronate (pure hyaluronic acid)	moisturizes	Hydrating
Panthenol: Alcohol analog of vitamin B5; Pantothenic Acid, Pro-vitamin B5	Humectant, emollient, moisturizer; when mixed with Allatonin improves skin conditions, i.e. sunburns, mild burns, and minor skin disorders	Hydrating
Potassium Sorbate	Preservative	Hydrating
Sodium Benzoate	Preservative, anti-bacterial, anti-fungal	Hydrating

Algae Extract	Rich in amino acids, polypeptides, and cell membranes of carbohydrates; when combined with Mugwort Extract works as a powerful anti-inflammatory; balances skinds moisture levels, provides suppleness to the skin, increases surface hydration	Hydtrating
Artemisia Vulgaris Extract (triple A complex), Mugwort Extract	anti-inflammatory, alleviates irritation, soothes the skin	Hydrating
Glycine (non-polar amino acid)	Aids in collagen re-synthesis	Hydrating
Allatonin	Heals, moisturizes, soothes, alleviates irritation, effectively treats burns, wounds and acne	Hydrating
Chamomile, Anthemis Nobilis Flower Extract	Soothes, repairs, relaxes muscles, anti-septic, anti-inflammatory, anti-sistaminic	Hydrating
Disodium EDTA	Improves synergy with preservatives, improves product stability	Hydrating

DISINFECTANT TURNED BROWN?: EMED Disinfectant may turn brownish or yellowish a while after opening. This is normal and perfectly OK. It is still excellent for use and you should not replace or exchange in any case.

APPENDIX B

COMPARING MODALITIES AND TOOLS FOR SKIN TREATMENTS (I)

Following, please find a **non-scientific** discussion which compares the results from SilkPeel DermalInfusion treatments with existing potent solutions compared to other common modalities (DISCLAIMER: - does not represent or claim any clinical outcome beyond the information on user guide – this is only for general information and not to share with the public)::

Comparison and discussion between SilkPeel DermalInfusion effects and the α-Hydroxy acids (AHA's) :

- *IN GENERAL:*
  α-Hydroxy acids (AHA's) are a class of chemical compounds, it is not just one single product, and it is difficult to address all compounds together in one basket to compare with SilkPeel to determine how active an alpha hydroxy acid product is, is to look at both the concentration of AHA and the pH of the product.
    - *AHA's do lift off a little of the surface skin layer and at high concentrations do stimulate collagen growth*
    - *AHA's are a nice conditioning ingredient to help renew the skin, clear pores and lift off some dry skin*
    - *to resume: As a* ***home product*** *it does* ***home-level very mild, safe and reproducible results***
  - *in comparison - SilkPeel DermalInfusion:*
    - *The SilkPeel is an* ***office procedure*** *that:*
      - *(1) adds hydration to the deeper layers,*
      - *(2) can help diffuse active ingredients to target areas and*
      - *(3) exfoliate as an office exfoliation.*
      - *In short: SilkPeel DermalInfusion is* ***an office procedure, providing deeper and more precise penetration with more predictable clinical outcomes – still extremely safe with reproducible results***
      - *AHAs are nice and even work as chemical exfoliations, but not at as a consistent effect as the SilkPeel*

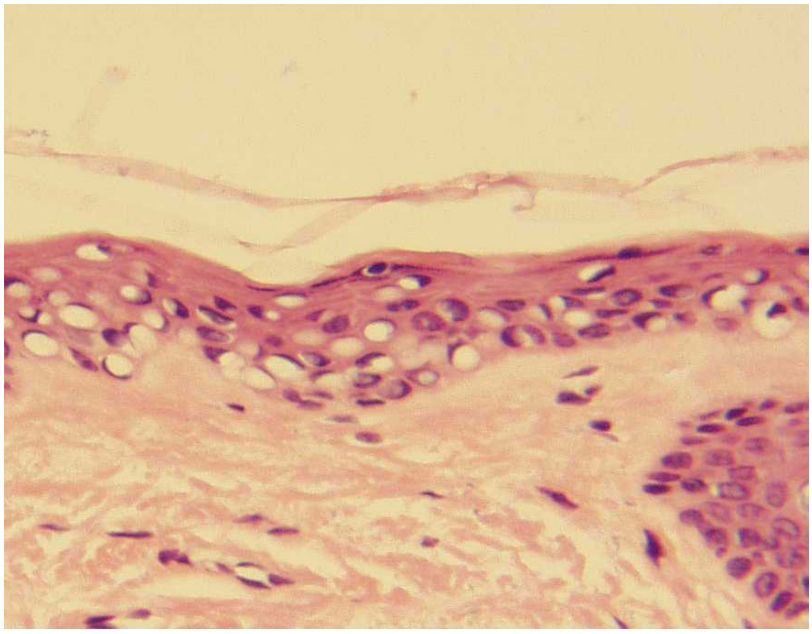


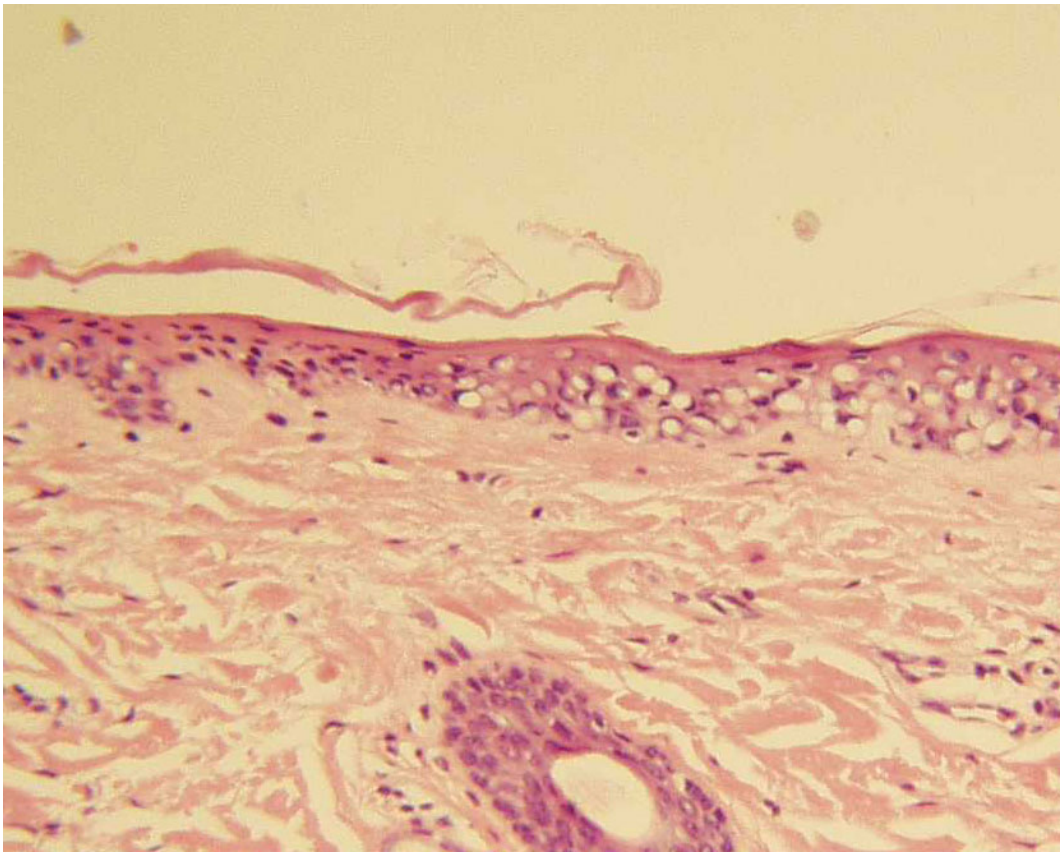
Figure 1. The first histologic slide demonstrates a uniform, even abrasion to the depth of 30-35 microns within the epidermis on preauricular skin. The stratum corneum is removed and portions of the granular layer are also removed in sections.

APPENDIX B

COMPARING MODALITIES AND TOOLS FOR SKIN TREATMENTS (II)

Scientific observations show that SilkPeel helps work the skin barrier down to the correct layer to allow the agents (in carefully made solutions) (1) become more active or (2) have a more established effect.
It is obvious that there is mild disturbance in the Odland bodies that allows the SilkPeel to work well.
No other procedure that is repeatable, renewable, and quick healing does that.
Users need to actually understand the true structural layers of skin to understand the difference.
.
Probably, the deeper effect of AHA depends on these parameters, which is not the case with mechanical abrasion like SilkPeel where deeper effects depend on vacuum levels, the diamond head grit + the product solution being used (Salicylic acid helping the abrasive effect).

Fig 4. This slide demonstrates the edge of treatment for the SilkPeel on the right side and untreated



epidermis on the left side. The hydration effect is dramatically shown by the enlarged keratinocytes with the displaced nuclei on the SilkPeel areas compared to the untreated areas. Also, the rapid hydration effect has increased the SilkPeel treated epidermal thickness by 70%.
* The SilkPeel System: A Histological Observational Study of Microdermabrasion with Solution Delivery; Lawrence S. Moy, MD; PSP - February 15, 2007

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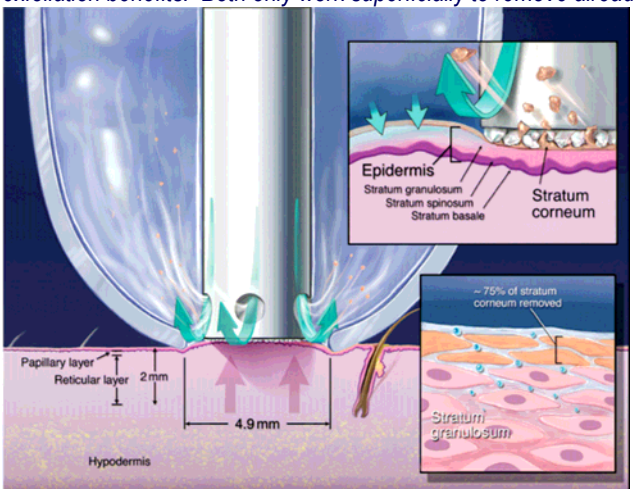
COMPARING MODALITIES AND TOOLS FOR SKIN TREATMENTS (III)

The main differences are: These AHA acids work at the very base of the stratum corneum (not only the upper layers), dissolving the "cement" that holds dead skin cells together. Claims are being made that at greater AHA concentrations (>15%), have deeper dermal effects, such as higher amounts of collagen and increased skin thickness, are observed. (Some of our physicians users also claim that SilkPeel can achieve that with time and higher settings.)
FYI: Use of just Salicylic Acid or a regular Mechanical Scrub (regular microdermabrasion) will not produce identical exfoliation benefits. Both only work superficially to remove already loosened skin cells on the upper layer of skin.



Alpha hydroxy acids work at the lowermost levels of the stratum corneum. We trust that thanks to the DermalInfusion = penetration of the Salicylic Acid (or other solutions) deeper into the dermis with SilkPeel, the SilkPeel also works at the deeper layers and the effect is quite similar to (lower concentrations) of AHA and not only superficial. Working deeper, it actually increases cell turnover and influences the structure of new stratum corneum being made. This results in skin that is more flexible, more smooth, and more even in tone. We see similar effects in cumulative and frequent use of the SilkPeel.

*Eventually, alpha hydroxy acids and **SilkPeel DermalInfusion (cumulative effect of 5-6 treatments) will produce skin that is softer, smoother, less wrinkled, less dehydrated, and more even in skin tone.***

No sand, no paddles, no vibration, no limitations...

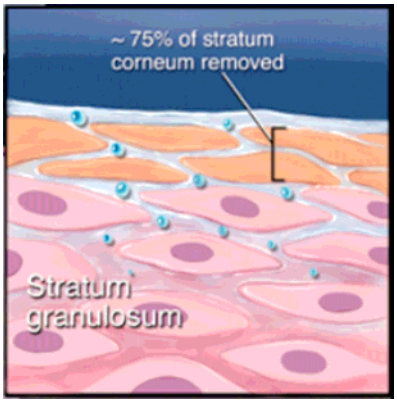
Clinical studies have documented even abrasion across the treatment area and rapid hydration into the underlying cells. Whether your patients' concerns are dehydration, hyperpigmentation, PIH or acne, SilkPeel's proprietary topical dermaceuticals address all skin types and a wide range of dermatologic conditions.

APPENDIX B

COMPARING MODALITIES AND TOOLS FOR SKIN TREATMENTS (VI)

GENERAL FEATURES AND BENEFITS IN COMPARING WITH MICRODERMABRASION:

- Dermal Infusion is NOT Microdermabrasion!
- New, patented, unique modality (combines non-invasive exfoliation with deep delivery of skin-specific dermaceutical solutions for deep and long-term absorption). *Microdermabrasion has been around for 15 years, basically the same. Sold to every salon and aesthetician – would the doctor want to compete with a nail salon, are his patients expecting more of a clinical treatment when coming to the doctor's office?*
- Non-invasive, SAFE. *Microdermabrasion can be invasive (if penetrates blow 100 microns – operator mistake) and very unsafe for operators and patients (breathing particles, getting them in the eyes and ears).*
- Very precise peeling of outer layer of skin (user choice of 2 parameters: vacuum (negative pressure), topicals' flow and diamond grit – 9 grades). *Microdermabrasion is NOT precise and only very well trained operator can get even exfoliation most of the time (how much anyway?)*
- Non-user dependent (operator can stay on skin any number of minutes, use a slow or fast movement, can push or pull = gets exactly same peeling depth and efficacy). *Microdermabrasion is user-dependent, will penetrate MORE if handpiece stays longer on skin (real deep wounds), less if you move too fast, uneven and non-controllable penetration.*
- Wet abrasion. *Microdermabrasion is DRY abrasion! Microdermabrasion is drying the skin even further, leaving microscopic particles of aluminum oxide within the skin for days and weeks at a time. Microdermabrasion cannot be used in localities where air is humid (Florida)or in wet conditions when skin NEEDS to be wet or flaky or dry anyway.*



- No clogging! *Microdermabrasion systems clog all the time for many reasons (wet area, humidity in the air, "bad" batch of particles, tubing fails, etc)*
- Non-particulate = NO mess – prevents the non-healthy part of breathing the Aluminum Oxide particulates (diamond peeling + wet-abrasion = no particulates in the air). *Microdermabrasion users will testify that they hate using the system for more than 1 treatment a day. Feel bad with breathing, eyes are red and itchy, scratches in cornea, Alzheimer?*

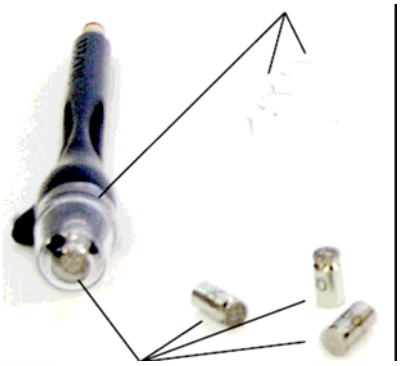
Precision Non-Invasive Exfoliation with DermalInfusion™
Topical Solutions for Dehydration, Hyperpigmentation and Acne

- Precise Abrasion or exfoliation of Stratum Corneum (up to 35 microns in 1 pass) while SIMULTANEOUSLY deep delivery of skin-specific topical solutions to improve and revitalize skin. *Microdermabrasion does abrade an uneven layer of skin (sometimes too deep and up to dermis, user dependent) and cannot be used in combination with simultaneous topical application*
- Can be used where other systems (or technologies) will be contra-indicated (i.e. dry skin, acne, flaky and sensitive skin). *Microdermabrasion lists dry skin and acne as contra-indications. Microdermabrasion shall never be used to remove wet flaky or crusted skin or in combination with ALA application and else.*
- Safe and recommended to use on large and small areas – NOT only for the face. Extends treatment areas to chest upper arms and hands, upper backs, necks and feet. *Microdermabrasion is used primarily for the face areas and would be considered unsafe for many sensitive body areas*

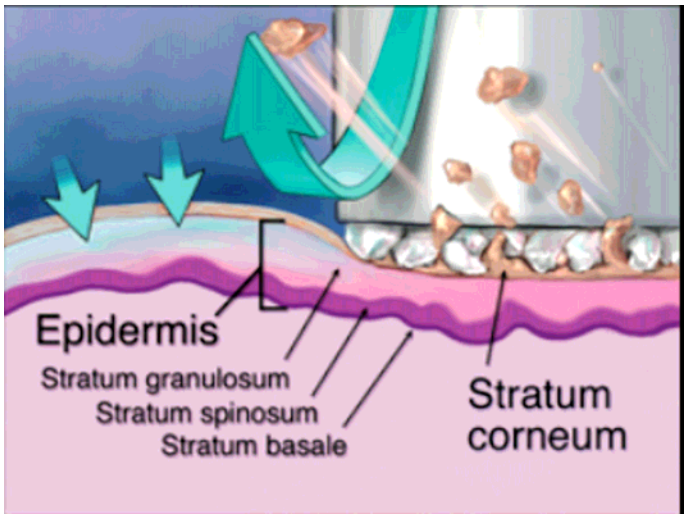
APPENDIX B

COMPARING MODALITIES AND TOOLS FOR SKIN TREATMENTS (V)

- Prepares the skin before any skin treatment by removing the upper layer of dead skin, thoroughly hydrates for days post-treatment, and overall promotes and stimulates new cell growth of healthy skin. *Microdermabrasion cannot hydrate skin, it is drying it out.*
- Provides continuum of treatment after laser and IPL treatments, Fraxel and Melasma (Cosmelan) procedures by removing the flakes and crust (wet-abrasion) and keeping up with helping re-growth of healthy skin. *Microdermabrasion is seldomly used before laser or IPL Tx, actually contra-indicated when flaking and wet crusting occurs.*
- Dermaceutical solutions actually assist in the therapeutic effect of the clinical treatment – SALICYLIC BASED CLARIFYING solution based for acne conditions; KOJIC ACID (OR HYDROQUINONE) BASED BRIGHTENING lightens skin, helps clearing sun damaged skin and removing age spots; HYALURONIC BASED HYDRATING solution deeply moisturizes skin and helps it stay there for hours and days. *Microdermabrasion cannot be used in combination with dermaceutical topicals (only post application = not half as efficient)*



- Specialized patented handpiece – completely SAFE to use: does not penetrate further if applied for more or less time on skin, or if operator movement is uneven, or handpiece is pushed or pulled over the skin. Can be very gentle on older, sensitive skin, flaky and crusted areas (wet-abrasion with flushing and safe removal of dead skin) or in a more aggressive and abrasive way for rough areas (changing diamond grit and vacuum settings). *Microdermabrasion handpieces clog and are unsafe in the hands of a non-competent operator as it penetrates too deep or not enough user dependent.*
- Even more dramatic results when used in the Lymphatic Drainage modality. *Microdermabrasion cannot be used in this modality*
- Self-cleaning system – the only system to clean itself out completely and flushes itself in automatic mode after every treatment and at the end of the day. *Microdermabrasion does not clean itself and cleaning takes time, is it completely clean and safe to use in between patients?*
- Never clogs
- Diamonds, treatment tips and handpiece are autoclavable and safe to re-use.
- Topicals are OTC grade (low concentration, over the counter cosmetics) and safe for every skin condition still very potent thanks to the deep penetration and absorption simultaneously with abrasion.
- Short recovery time (20 minutes).
- Used INSTEAD of laser procedure when laser/IPL procedure is either too expensive or patient is not interested in long recovery time.
- Or BEFORE a laser/IPL treatment – to keep patient with clinic and



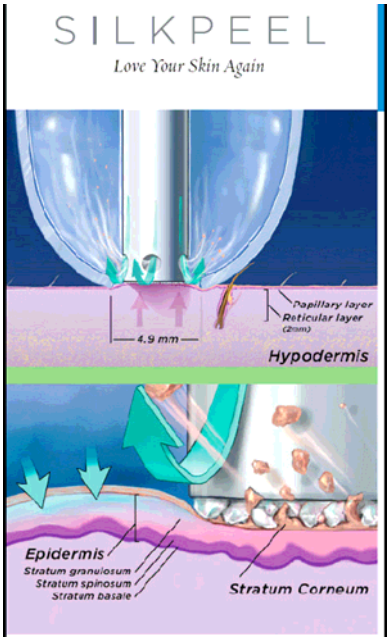
promote the laser procedure, preps skin for laser/IPL procedure.

APPENDIX C

SKIN CONDITIONS Q&A (I)

Psoriasis & SilkPeel?

- It is ok to treat patients with Psoriasis, as long as the person's history and skin can tolerate.
- Be aware of any inflammation, which can be present, and adjust diamond grit accordingly.
- Sometimes it is good to lay a foundation of HYALURONIC BASED HYDRATING solution with the smooth tip first and then follow with SALICYLIC BASED CLARIFYING solution based solution and a fine diamond head.
- SALICYLIC BASED CLARIFYING solution will allow the skin to exfoliate for a longer amount of time.
- HYALURONIC BASED HYDRATING solution will congeal with the SALICYLIC BASED CLARIFYING and pull it a bit deeper helping it to provide maximum results.

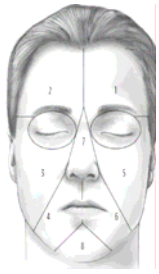


Treat with SilkPeel as long as it is comfortable to the patient, and always consult the physician on staff to make any final judgment calls necessary.

Summer time & SilkPeel?

SilkPeel treatments may be beneficial to help dry skin during the summer for protection and help with preventing further actinic (sun) damage. By hydrating it continuously, the skin would be less damaged by sun and wind.

Sure, they MUST use SPF 15 or even better 30 at all times, (even in the winter), not only because of SilkPeel, because of sun UV penetrating the skin anyway – even when cloudy.
Certainly it is more important after any skin treatment when top skin layer has been removed.



IMPORTANT Contraindication to SilkPeel treatment is:

- ❖ when people are using ACCUTANE or the like for acne (medicine that makes skin very fragile).
- ❖ Also allergies to Salicylic acid (aspirin).

Suggestion: patient MUST use sun protection (SPF 15 or 30) at all times, even in the winter

APPENDIX C

SKIN CONDITIONS Q&A (II)

Active Acne & SilkPeel?

SilkPeel treatments are safe and recommended to use with active acne (in consult with the physician on board):

- Remember that SilkPeel is unique in providing "wet abrasion" or DermalInfusion; which means = the handpiece is moving over the skin is constantly wet with SALICYLIC BASED CLARIFYING solution.
  - ♦ Salicylic acid is the best agent to kill the bacteria.
  - ♦ There is not any cross contamination from one area to the other since the tip of the handpiece is constantly actually treating the areas and not leaving behind living bacteria or else

  - ➢ when moving along, the tip of the handpiece acts as an aspiration probe that takes back into the waste jar every piece of skin and whatever material it finds on the surface of the skin or which it peels off the stratum corneum.
  - ➢ There is not any residual (like other machines would have) which is left on the top of the skin or that's been moving around to other areas after the treatment
  - ♦ Every element of the handpiece that have been in contact with the skin is disinfected (or autoclaved) before and after each treatment.
  - ♦ Never there would be contamination between areas or between two people thanks to self cleaning procedure (self disinfection procedure) and cleaning of the tips + diamonds
- Shaving the top layer of the skin in an acneic skin opens the pores and allows the infiltration of Salicylic acid that kills the bacteria INSIDE the area even after the treatment is finished
- Acneic skin, could be dry – apply a last pass with the HYALURONIC BASED HYDRATING solution to help this condition
- The DermalInfusion feature actually secures DEEPER penetration and absorption of the topicals inside the papillary dermis (which does not usually happen so efficiently with regular abrasion and later application of cream since it does not get to penetrate as well).

APPENDIX C

SKIN CONDITIONS Q&A (III)

Dry Skin & SilkPeel?

Sodium Hyaluronate (pure hyaluronic acid) and the other ingredients within the HYALURONIC BASED HYDRATING solution help moisturize and hydrate the skin in the long term -

- The effectiveness of the penetration of the materials into the skin are cumulative and could not be achieved with just one-time application or a stay of 24 hours.
- Small quantities of the solution are probably active in the papillary dermis for at least one week.
  - As a fact, when you repeat the SilkPeel treatment every week to 10 days (or every 3-4 days for active acne), the improvement of the skin-condition, from the effect of the active ingredients, is steady and progressive and accumulates from week to week.
  - This may predict that some of the material stays in the dermis for longer than 1 week or such.
- The outcome of the treatment is dependent on both the active ingredients being present and active and the progressive abrasion effect that takes off the upper layers of dead cells, week after week, that also helps promote the natural process of rejuvenation of the skin.
- The histology sections in Dr. Moy's paper are made after 24 and 48 hours of the treatment and all still show effect of the active ingredient
- Overall, it is almost impossible to PROVE for how long Sodium Hyaluronate stays in the dermis, but there is definitely a long term effect, and a cumulative effect that could not be achieved if the product stayed only for a number of hours there.

Immediate exposure of the abraded skin to the fluid demonstrates an interesting effect. The keratinocytes show marked swelling from hydration. The upper papillary dermis also demonstrates edema around the collagen fibers and around the vascular structures.

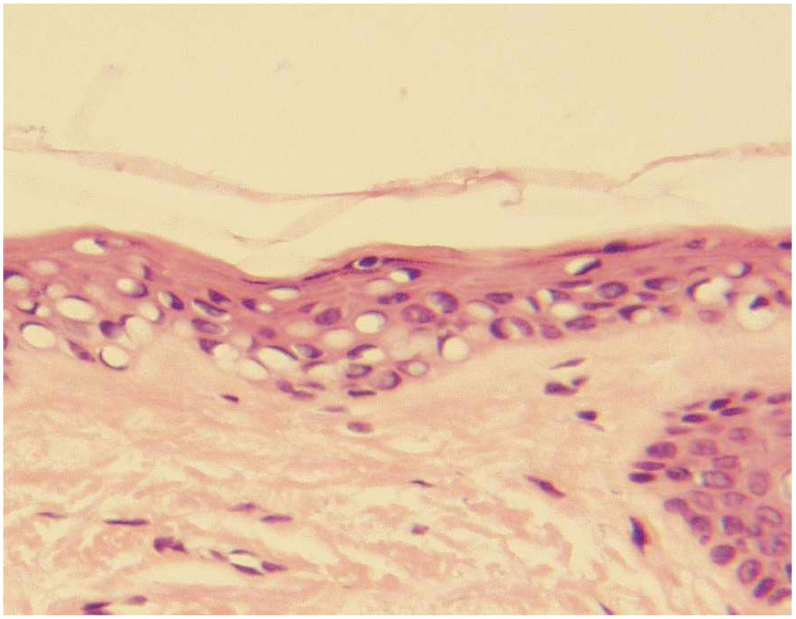


Figure 1. The first histologic slide demonstrates a uniform, even abrasion to the depth of 30-35 microns within the epidermis on preauricular skin. The stratum corneum is removed and portions of the granular layer are also removed in sections.

APPENDIX D

CLEANING DIAMOND HEADS – DO's AND DON'TS

NOTE: For complete instructions refer to section 4.2 in the User Manual for proper sterilizing of the treatment heads and handpiece – the notes below only refer to specific issues and questions we have been asked in regards to cleaning and do not replace or add to the information on the User Manual. These notes were gathered by our users and operators and we are quoting them here only to provide "advice or consult" and only the product label should be the ultimate guide for the complete instructions.

WARNING

Do NOT USE Cidex or other products containing Gluteraldehyde to clean the treatment heads.
This is the one product ingredient that will cause the diamonds to come off the heads. Please make sure that your customers are instructed not to use these products and to refer to section 4.2 in the manual for proper sterilizing of the treatment heads and handpiece.

Q&As

QUESTION: "the Silkpeel manual recommends cleaning the treatment heads with some kind of solution before putting them in an autoclave, where can we get this solution?"

ANSWER: We recommend using an enzymatic detergent like Empower Foam to soak the Treatment Heads after treatment. In the US, this can be purchased from Moore Medical or any medical/hospital supply establishment.

- Along with the foam a soft metal or firm plastic brush should be used to scrub the heads.
- disinfecting would not be sterilizing!! but Empower Foam is a high level disinfectant.
- We cannot guarantee these are fully disinfected or sterile, we do recommend autoclaving.
- this is for the office/doctor to decide how to clean the heads based on your country regulations
- We can't really give a specific amount of time but here's what the Empower Foam bottle says:-
    - -dual enzymatic cleaner
    - -ready-to-use
    - -reduces transport load
    - -reduces exposure to soils due to splashing
    - -Neutral pH formula that provides advanced corrosion protection and is safe for rubber, plastic, stainless steel, carbon steel and soft metals.
- And here are additional claims made by Metrex (not emed): Empower Foam is only an enzymatic spray to break down bio-burdens, it is not a sterilant or disinfectant but rather a precursor for either of the two, for total disinfectant success the heads should be soaked in our disinfectant solution for 3 minutes, sprayed and scrubbed with the empower foam, rinsed, then soak again in our disinfectant for 10 minutes. But it still isn't sterilized.
- NEVER soak your diamond heads into gluteralderhyde.

Suggestion: - RUNNING AIR THROUGH THE TUBING: run AIR in between changes of solutions for a short while (like 1-2 minutes) to ensure that solutions of different types would not interact chemically with each other. Running air through the machine after each solution and after the cleaning is extremely useful anyway to keep the machine for never clogging.

MORE ABOUT CLEANING THE DIAMOND HEADS:

In order to maintain the life of the treatment head, one should best clean them as stated on pages 16-17 of the SilkPeel Operator's Manual. Which states they are (1) to be soaked in emed disinfectant, (2) scrubbed with an enzymatic detergent, and then (3) autoclaved.

If the head is soaked in anything other than the disinfectant or enzymatic detergent emed can not uphold the life time warranty. This alternative cleaning method can also damage the heads, rust them, or, cause the diamonds to fall off the base due to corrosion of the adhesive.

Also, if the heads damages are not noticed right away and the diamonds have started to lift, the operator can cause scratches on the patient. Never good.

WARNING: The main active in sterilants is Gluteralderhyde, this is the chemical that breaks down the adhesive and ruins the diamond heads. It is best practice to inform your accounts in the future that sterilant in general are NOT acceptable in cleaning the treatment heads. In general, it is prohibited to soak the treatment heads in a liquid sterilant (containing Gluteralderhyde) to clean them.

Disinfectant vs Sterilant!
A sterilant kills, removes, and destroys all microorganisms.
A disinfectant destroys the bacteria inside the microorganism, neutralizing it, but it is still there.
This difference is extremely important to physicians. Which is also why they soak in the disinfectant then autoclave for sterility.

APPENDIX E

SILKPEEL DERMALINFUSION - BUSINESS ASPECTS

Basic Data:

- Price per procedure at least 30% more than Microdermabrasion
- Repeat patients – 5-6 weekly procedures and then 1 monthly maintenance
- Almost every patient walking-in is a good candidate for SilkPeel (almost no contra-indications - besides active acne, medicine intake, some pregnant women or rare skin conditions)
- Helps level and prepares skin before lasers/IPL Tx
- Keeps patients coming after laser/IPL Tx
- Low Initial Cost: less than 3-4 procedures a month to cover purchase price (if leased)
- Low per-procedure cost – less than 10 Euros per procedure (dermaceutical solutions + treatment tip + cleansing product)

Extremely low maintenance costs – actually none whatsoever if system is flushed after every procedure per cleansing procedures

VERY COMMON SKIN CONDITIONS:
Main Indications:
Acne
Dehydrated skin
Hyperpigmentation (sun and aging, photodamage)
Actinic Keratoses
Fine lines

Other common uses in combination with other modalities:
Melasma (flakes from Cosmelan)
Before applying ALA for PDT Tx
Before/after laser and IPL procedure
Before Mesotherapy

SilkPeel Price list (in the US in average)

Face only- 175.00-200.00 per treatment
Face/neck- 200.00-225.00 per treatment
Décolleté- 175.00 per treatment
Hands- 50.00 or complimentary as an introduction to SilkPeel
Back & Shoulders- 225.00-250.00
Arms only- 180.00-200.00
Legs- 225.00-300.00

Treatment packages
6 face only treatments 875.00-1000.00 including sunscreen from retail
6 face w/ neck treatment 1000.00-1125.00 including sunscreen from retail

Treatment packages can be customized (i.e. back, shoulders, décolleté etc)
6 treatments and charge for 5 (see price above)

Eye package (HYALURONIC BASED HYDRATING only)
6 eye area only treatment 450.00-600.00 including retail eye serum or cream

APPENDIX E

SILKPEEL DERMALINFUSION - BUSINESS ASPECTS (II)

Lip package (HYALURONIC BASED HYDRATING only)
6 lip area only treatment 450.00-600.00 including lip balm plumper offered in retail

Eye & Lip package (special offer if combined) (HYALURONIC BASED HYDRATING only)
6 eye & lip treatments 800.00 including lip balm or lip plumper and eye serum or cream

Tough Skin Conditions (i.e. Psoriasis, topical dermatitis, eczema, scars etc) price according to size of area treating